

Seat No.	
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**B.E. (CSE) (Semester - VIII) (Revised) Examination, May - 2017**  
**SOFTWARE TESTING AND QUALITY ASSURANCE**

**Sub. Code : 67828**

**Day and Date : Wednesday, 03 - 05 - 2017**

**Total Marks : 100**

**Time : 02.00 p.m to 05.00 p.m.**

- Instructions:**
- 1) Question no. 4 and 8 are compulsory.
  - 2) Attempt any two questions from question no. 1 to 3 and any two question from question no. 5 to 7.
  - 3) Figures to the right indicate full marks.
  - 4) Assume data wherever necessary.

**SECTION - I**

- Q1) a)** What is software testing? Why should we test? [8]  
**b)** Explain V shaped software life cycle model. [8]
- Q2) a)** What should we measure during Testing? [8]  
**b)** What is a use case ? How is it different from a use case diagram? What are the components of use case diagram? [8]
- Q3) a)** Explain issues which must be addressed by SRS document checklist. [8]  
**b)** Write Alpha testing versus Beta testing. [8]
- Q4) a)** Describe various verification methods. [6]  
**b)** Explains the various steps for the generation of test cases from the use cases. [6]  
**c)** Explain Guidelines for generating validity checks. [6]

**P.T.O.**

**SECTION - II**

- Q5)** a) What is Regression Testing ? Which are the techniques to select test cases for the purpose of regression testing? [8]  
b) How is risk analysis used in testing ? How can we prioritize test cases using risk factor? [8]
- Q6)** a) Explain the test process for object oriented programs. [8]  
b) What is path testing ? Explain the various steps of path testing. [8]
- Q7)** a) What is web testing? Differentiate between client/server applications and web applications. [8]  
b) What is usability testing ? What steps must be followed in usability testing? [8]
- Q8)** Write short notes on (Any three) : [18]  
a) Security Testing  
b) Measurement  
c) Performance Testing.

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